



Stormwater Management Plan Instructions: To Accompany All Grading Permit Applications

In order to comply with the federal Clean Water Act, the state Water Code and County Ordinances, the County of San Diego requires that property owners complete a Stormwater Management Plan prior to issuance of any Grading Permit. The purpose of a Stormwater Management Plan is to document Best Management Practices (BMPs) that will be implemented to prevent pollutants (including sediment) from entering stormwater conveyances and receiving waters. The Stormwater Management Plan becomes a part of the Grading Permit and is subject to enforcement by County inspectors and others.

Stormwater Management Plans include the elements described in the following sections:

Section 1: Required Information - This section is used to provide the County with basic information necessary to evaluate and prioritize project activities. Each of the items in this section must be completed, except projects with less than 5 acres of disturbed area are not required to have a Waste Discharge Identification Number (WDID). Grading projects with a disturbed area of greater than 5 acres must also meet additional requirements from the State Water Resources Control Board (SWRCB). Those additional requirements include filing a Notice of Intent (NOI) and preparation of a Stormwater Pollution Prevention Plan (SWPPP).

Please note that watercourses and waterbodies include ephemeral drainages (i.e., those that are dry during part of the year).

Section 2: Best Management Practices - Best Management Practices (BMPs) must be selected and implemented to prevent erosion and construction-related materials, sediment, wastes and spills from entering stormwater conveyances and receiving waters.

Note: It is the responsibility of the property owner and the contractor to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with the County's Stormwater and Grading Ordinances. Failure to prevent soil erosion and discharges of sediment and other pollutants from construction sites is subject to enforcement by the County or others. At a minimum, the County requires that the BMPs listed in Table A (attached) be installed and maintained for all grading projects. Additional BMPs listed in Table B (attached) may also be required in correlation to a project's scope, potential for discharges and proximity to a watercourse or other receiving waters.

Section 3: Certification - The property owner must sign this section certifying that they understand the County's minimum requirements for stormwater management of construction activities and will implement, monitor and maintain the selected BMPs to ensure their effectiveness.

A County BMP manual can be found at the DPW and DPLU Permit Counters. The Manual includes all of the referenced BMPs listed in Tables A and B and from the *Caltrans Storm Water Quality Handbooks* and *California Stormwater BMP Handbook for Construction*. The entire manuals may also be ordered directly from the following sources:

Caltrans Manuals
Caltrans Publications unit
(916)445-3520
(916)324-8997 Fax

CA Stormwater BMP handbook
BPS Reprographic Services
1700 Jefferson St
Oakland, CA, 94612
(510)287-5485
(510)444-1262 Fax



County of San Diego

STORMWATER MANAGEMENT PLAN

This form must be submitted with all Grading Permit Applications.

SECTION 1. Required Information

Grading Permit Application Number:		Project Name:	
Name of Project Contact Person:		Project address or location:	
Title:	Phone #:		APN #:
Grading start date:	Grading finish date:	Project start date:	Project finish date:
Estimated amount of disturbed acreage: _____ acres (If equal to or greater than 5 acres, you must also provide a WDID number from the SWRCB.) WDID _____			
Are there any watercourses or waterbodies within 50 feet of the limits of soil disturbance? YES _____ NO _____			
Does the soil type have high erosion potential (fine grain soil like sand, silt, fine disintegrated granite) ? YES _____ NO _____			
Does the project site have or propose slopes higher than 25 feet or steeper than 1:1? YES _____ NO _____			

SECTION 2. Best Management Practices

Best Management Practices

The goal of stormwater management planning is to reduce pollution to the maximum extent practicable by implementing Best Management Practices (BMPs). There are five categories of BMPs: 1) Erosion control practices, and; 2) Velocity reduction, and; 3) Sediment control practices, and; 4) Offsite sediment tracking control, and; 5) General site and materials management. BMPs from each of the five categories must be used together as a **system** in order to prevent erosion, sediment, wastes, spills, and residues from leaving the site. When properly implemented, monitored and maintained, BMPs will function to prevent pollutants (including sediment) from leaving the site. It is the responsibility of the property owner and the contractor to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with the County's Stormwater and Grading Ordinances.

Best Management Practice Tables

Tables A and B (attached) must be used to indicate those BMPs that will be used to prevent stormwater pollution. At a minimum, the County requires that the BMPs listed in Table A be installed on all grading projects. However, some BMPs may not be applicable to every project. For example, if storm drain inlets are not present, then Storm Drain Inlet Protection (BMP SC10) would not be applicable.

Grading Plan Best Management Practice Checklist

The following information shall be shown on the grading plans:

- ☐ The project boundaries.
- ☐ The footprint of any existing structures and facilities.
- ☐ The footprint of all structures and facilities to be constructed.
- ☐ The limits of grading.
- ☐ The existing and proposed grades of the site, along with any intermediate grades that will significantly affect site drainage patterns.
- ☐ The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving waters.

Please note that each of the items identified by a star (★) in Tables A and B must be included on the grading plans, and labeled with the designation found in the tables (for example, SS-7).

SECTION 3. Certification

The following certification must be signed before a Grading Permit will be issued.

I have read and understand that the County of San Diego has adopted minimum requirements for stormwater management of construction activities. I certify that the BMPs I have selected in Tables A and B will be implemented to effectively minimize the potentially negative impacts of this project's construction activities on stormwater quality. I further agree to install, monitor, maintain or revise the selected BMPs to ensure their effectiveness.

I also understand that non-compliance with the County's Stormwater and Grading Ordinances may result in enforcement by the County, including fines, citations, stop-work orders, cease and desist orders or other actions.

Property owner _____ Date _____

TABLE A: MINIMUM REQUIRED CONSTRUCTION BMPs

Minimum Required Best Management Practices	(«) If used, these BMPs must be shown on the grading plan.	CALTRANS Stormwater Quality Handbooks (Nov '01)	California Storm-water BMP Handbook for Construction	Will BMP Be Used?		If No, State Reason
				Yes	No	
1. A. Erosion Control - Slopes	Must select one (more if needed)					
Vegetation Stabilization Planting (see note 1)	«	SS-2 SS-4	ESC10			
Hydraulic Stabilization Hydroseeding (see note 1)	«	SS-3 SS-4	ESC10			
Bonded Fiber Matrix (see note 2)	«	SS-4	ESC11			
Physical Stabilization Erosion Control Blanket(see note 2)	«	SS-7	ESC20			
1. B. Erosion Control - Flat Areas(< 5%)	Must select one (more if needed)					
Will use above Slope Control measures on flat areas also	«	SS-2,3,4,7	ESC10, 11,20			
Mulch, straw, wood chips, soil application	«	SS-6 SS-8	-			
2. Velocity Reduction	Must select one					
Energy Dissipater Outlet Protection (see note 3)	«	SS-10	ESC40			
3. Sediment Control	Must select one (more if needed)					
Silt Fence	«	SC-1	ESC50			
Straw Wattles	«	SC-5	-			
Gravel Bags	«	SC-6 SC-8	ESC52			
Storm Drain Inlet Protection	«	SC-10	ESC54			
Desilting Basin (not used on DPLU permits)	«	SC-2	-			
4. Offsite Sediment Tracking Control	Must select one (more if needed)					
Stabilized Construction Entrance	«	TC-1	ESC24			
Construction Road Stabilization	«	TC-2	ESC23			
Entrance / Exit Tire Wash	«	TC-3	ESC24			
Entrance / Exit Inspection & Cleaning Facility	«	-	-			
5. General Site Management	Must select appropriate BMP for each activity proposed					
Materials Management Material Delivery & Storage		WM-1	CA10			
Waste Management Concrete Waste Management		WM-8	CA23			
Solid Waste Management		WM-5	CA20			
Sanitary Waste Management		WM-9	CA24			
Hazardous Waste Management		WM-6	CA21			

Notes:

1. When Planting or Hydroseeding are selected for erosion control, the vegetative cover must be planted by August 15th and established by October 1st. If in the opinion of the County Official the vegetative cover is not established by October 1st, additional hydraulic or physical erosion control BMPs will be required.
2. These BMPs are temporary measures only when used without planting or hydroseeding. All slopes must have established vegetative cover prior to final grading approval.
3. Regional Standard Drawing D-40 - Rip Rap Energy Dissipater is also acceptable for velocity reduction.
4. Not all grading projects will have every waste identified. The applicant is responsible for identifying wastes that will be on-site and applying the appropriate BMP. For example, if concrete will be used, BMP WM-8 should be selected.

TABLE B: ADDITIONAL CONSTRUCTION BMPs

Additional Best Management Practices	If used, these BMPs must be shown on the grading plan.	CALTRANS Stormwater Quality Handbooks	California Stormwater BMP Handbook for Construction	Will BMP Be Used?		If No, State Reason
				Yes	No	
Erosion Control						
Site Development Considerations						
Scheduling		SS-1	ESC1			
Preservation of Existing Vegetation	«	SS-2	ESC2			
Other (submit description for approval)	«					
Vegetation Stabilization						
Vegetation Buffer Strips	«	SS-2	-			
Other (submit description for approval)	«					
Physical Stabilization						
Dust Control	«	WE-1	ESC21			
Soil Stabilizers	«	SS-5	-			
Other (submit description for approval)	«					
Diversion of Runoff						
Earthen Dikes	«	SS-9	ESC31			
Ditches and Berms	«	SS-9	-			
Slope Drains	«	SS-11	ESC32			
Temporary Drains & Swales	«	SS-9	ESC31			
Other (submit description for approval)	«					
Velocity Reduction						
Check Dams	«	SS-4	ESC41			
Slope Terracing	«	-	ESC42			
Other (submit description for approval)	«					
Sediment Control						
Brush or Rock Filter	«	-	ESC53			
Sediment Trap	«	SC-3	ESC55			
Sediment Basin	«	SC-2	ESC56			
Other (submit description for approval)	«					
General Site Management						
Employee & Subcontractor Training		-	CA40			
Materials Management						
Spill Prevention & Control		WM-4	CA12			
Other (submit description for approval)						
Waste Management						
Contaminated Soil Management		WM-7	CA22			
Other (submit description for approval)						
Vehicle and Equipment Management						
Vehicle & Equipment Cleaning		NS-8	CA30			
Vehicle & Equipment Fueling		NS-9	CA31			
Vehicle & Equipment Maintenance		NS-10	CA32			
Construction Practices						
Water Conservation		NS-1	-			
Structure Construction & Painting		-	CA3			
Paving Operations		NS-3	CA2			
Dewatering Operations		NS-2	CA1			
Other (submit description for approval)						